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(71) Applicant (for all designated States except US): GILSON S.A.S. [FR/FR]; 19, avenue des Entrepreneurs, BP 145, F-95400 Villiers-le-Bel (FR).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): VIOIT, Francois [FR/FR]; 38 rue des Ruelles, F-95430 Auvers sur Oise (FR). MAY, Yves [FR/FR]; 6B rue de la Ceinture, F-78000 Versailles (FR).

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(74) Agent: BELL, Callie, M.; Foley & Lardner LLP, 150 East Gilman Street, Post Office Box 1497, Madison, WI 53701-1497 (US).

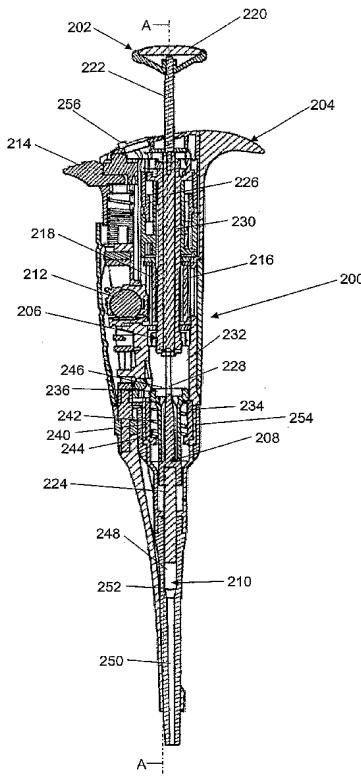
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(54) Title: SYSTEM AND METHOD FOR PRECISE LIQUID MEASUREMENT IN A LIQUID SAMPLING PIPETTE



(57) **Abstract:** A device and method are provided for correcting a requested volume of liquid to aspirate/dispense by a liquid handling pipette based on the requested volume and/or a physical condition at the pipette. The pipette includes a piston drive mechanism configured to contact a piston assembly and move a piston rod of the piston assembly within a tip holder thereby causing regulation of an amount of liquid in the tip holder. The method includes selecting a requested volume at a pipette, the requested volume representing the amount of liquid to regulate, calculating a correction volume using a volume characterization, wherein the volume characterization characterizes a difference in the amount of the liquid regulated in the tip holder as a function of the requested volume, and displaying the correction volume to a user of the pipette thereby regulating the requested volume of liquid in the tip holder. The volume characterization is determined using a calibration process.



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